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IB - 291/63
 5 November 1963
 Copy 1 of 8

MEMORANDUM FOR: Chief, Military-Economic Division, ORR

ATTENTION: [REDACTED]

25X1

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Chu-Chou Aircraft Engine Plant, China

REFERENCE: (1) ORR Requirement No. C-RR3-80,608, dated 25 September 1963
 (2) CIA/PID Project No. C 1317-63

1. This memorandum is in answer to referenced requirement concerning Chu-Chou Aircraft Engine Plant.

2. This photographic analysis has been conducted primarily from [REDACTED] 25X1
 [REDACTED] (Figures #1, #2 and #3). Photographic coverage from [REDACTED] 25X1
 [REDACTED] was reviewed in connection with this 25X1
 study and was helpful in determining construction activity. The following paragraphs contain a description of the facilities and the level of activity at the Engine Plant, including the adjacent areas. A key to annotations is furnished for the photo enlargements figures #1, #2 and #3.

3. Chu-Chou Aircraft Engine Plant is located on the east side of the Hsiang-Chiang River approximately 3nm southeast of Chu-Chou at coordinates 27 49 00N - 113 11 15E. The Aircraft Engine Plant and adjacent facilities have been divided into three areas for reporting convenience. These areas are annotated as areas A, B, and C on figures #1, #2 and #3.

4. The Aircraft Engine Plant is contained in the area outlined at annotation "A" figure #2. This area is almost completely concealed in a small valley surrounded on three sides by hills and on the south by a small stream. The Engine Plant is secured by a fence and sentry posts are located on the ridges surrounding the area. The Plant is served by both roads and rail spurs. The review of [REDACTED] shows this Plant containing 25X1
 approximately 779,500 square feet of floorspace. Photography from [REDACTED] 25X1

[REDACTED] Figures #1 and #2) shows the following additions, annotation #16, A Forge/Foundry (45,000 square feet), annotation #21, A workshop/machine shop (38,000 square feet) and annotation #20, A new workshop/machine shop under construction which will contain approximately 137,500 square feet. Annotation #23 appears to be a new construction site, however, the dimensions of the proposed building cannot be determined from this photography. The present total floorspace for this installation is approximately 1,000,000 square feet including the new workshop/machine shop under construction at annotation #20. All buildings in the Plant area have been included in the total floorspace, only major buildings have been annotated. The

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Engine Plant test facilities are contained in the test building at annotation #1 (Figure #2). This is a multi-winged building, with a base wing measuring approximately 145' x 140'. There are three projecting wings, one measures 90' x 50' and contains double test bays, one measures 140' x 25' and contains a single test bay and one measures 105' x 25' and contains a single test bay. The two wings containing the single test bays have been extended since [redacted] from 90' long to their present length. This plant appears to be in a period of modification and expansion and does not appear to be in operation at the time of [redacted] 25X1

Key to annotations: Area "A"

1. Engine test building - 20,300 square feet.
2. Engine assembly building - 113,550 square feet.
3. Workshop - 28,800 square feet.
4. Workshop - 25,200 square feet.
5. Power Plant (steam).
6. Warehouse - 23,000 square feet.
7. Warehouse - 12,750 square feet.
8. Warehouse - 21,000 square feet.
9. Warehouse - 7,750 square feet.
10. Two storage buildings - 9,625 square feet.
11. Unidentified area.
12. Machine shop/Workshop - 66,750 square feet.
13. Storage building - 9,000 square feet.
14. Administration complex - 68,850 square feet, multi story.
15. Machine shop/Workshop - 99,000 square feet.
16. Forge/Foundry - 45,000 square feet.
17. Forge/Foundry - 20,700 square feet.
18. Workshop - 9,450 square feet.
19. Machine shop/Workshop - 34,100 square feet.
20. Machine shop/Workshop under-construction - 137,500 square feet.
21. Machine shop/Workshop - 38,000 square feet.
22. Administration/storage - 17,150 square feet.
23. Possible new construction site.
24. Machine shop/Workshop - 45,600 square feet.
25. Unidentified building - 13,650 square feet.

5. The area outlined at annotation B (Figures #1 and #2) is an unidentified area possibly associated with the Aircraft Engine Plant. This area is separately secured from the Engine Plant by an additional fence and sentry posts. The area appears to be visible only from the Engine Plant and its only access is by road through the Aircraft Engine Plant. This unidentified area consists of a multi-story laboratory type building (3 stories), annotation #15, fabrication type buildings, (annotations #10, #11, #13 and #14), a probable fabrication building under-construction, (annotation #12), two drive-through buildings (annotations #7 and #8) and five well dispersed storage/processing buildings (annotations #1, #2, #3, #6 and #9). These five buildings all have a different configuration except for the two located at

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annotation #3. Three of these buildings are constructed on aprons (possibly concrete) which could indicate the handling of a corrosive type substance. The area is served by a drainage system [redacted]

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[redacted] This area was non-existent in [redacted] as indicated by [redacted] The total floorspace for this area is

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approximately 215,800 square feet. The area outlined at annotation C is another unidentified area and is probably associated with the unidentified area at annotation B and the Aircraft Engine Plant at annotation A. This area appears to be well secured by a fence and sentry posts. The area is served by a rail spur which appears to end at the base of hill in which three tanks are embanked (each tank is approximately [redacted] feet in diameter). The area contains several small buildings and ground scars which could indicate additional facilities will be added. This area was not observed on [redacted] The scale and obliquity of photography from [redacted] precluded an accurate interpretation in this area.

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Key to Annotations: Area "B"

1. Storage/Processing - 100' x 30', 3,000 square feet.
2. Storage/Processing - 70' x 50', 3,500 square feet.
3. Two storage/processing - 40' x 25', 50' x 35', 2,750 square feet.
4. Unidentified facility.
5. Unidentified facility.
6. Storage/Processing - 55' x 35', 1,925 square feet
7. Drive through building - 95' x 50', 4,750 square feet.
8. Drive through building - 180' x 70', 12,600 square feet.
9. Storage/Processing - 55' x 45', 2,475 square feet.
10. Fabrication type building - 185' - 160', 29,600 square feet.
11. Fabrication type building - 160' - 115', 18,400 square feet.
12. Fabrication type building under construction - 310' x 205', 63,550 square feet.
13. Fabrication type building - 160' x 80', 12,800 square feet.
14. Fabrication type building - 230' x 120', 27,600 square feet.
15. Laboratory type building - 215' x 50' (3 stories), 32,250 square feet.
16. Storage building - 30' x 20', 600 square feet.

6. The information contained in the previous paragraphs completes the referenced requirement. The photo analyst on this project is [redacted] who may be contacted on extension 2546, should you have further questions regarding this project.

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ENCLOSURE:

1 Annotated Photo Enlargement Board (CIA/PID)

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